

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 09.03.2018

Version number 4

Revision: 28.08.2017

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking**

· **1.1 Product identifier**

· **Trade name: RM 761**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

· **Application of the substance / the mixture** Defoamers, Anti-foaming agent

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Alfred Kärcher GmbH & Co. KG  
Alfred-Kärcher-Str. 28-40  
D - 71364 Winnenden

Postfach 160  
D - 71349 Winnenden

Tel.: +49-7195-14-0  
Fax : +49-7195-14-2212

[www.karcher.com](http://www.karcher.com)

**Distributor:**  
Kaercher (UK) Ltd.  
Kaercher House  
Beaumont Road  
Banbury  
Oxon OX16 1TB  
Great Britain

Tel.: +44-1295-752-000  
Fax : +44-1295-266-436

· **Further information obtainable from:**

Department PCD-D  
Tel.: +49-7195-14-2548  
Fax : +49-7195-14-3164  
[safetydata@karcher.com](mailto:safetydata@karcher.com)

· **1.4 Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

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**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

*Skin Irrit. 2 H315 Causes skin irritation.*

*Eye Irrit. 2 H319 Causes serious eye irritation.*

*Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.*

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the CLP regulation.*

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

*aliphatic hydrocarbons*

- **Hazard statements**

*H315 Causes skin irritation.*

*H319 Causes serious eye irritation.*

*H304 May be fatal if swallowed and enters airways.*

- **Precautionary statements**

*P280 Wear protective gloves / eye protection / face protection.*

*P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*

*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P362+P364 Take off contaminated clothing and wash it before reuse.*

*P405 Store locked up.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **2.3 Other hazards**

*The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.*

- **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**

· **Description:** *Mixture of substances listed below with non-hazardous additions.*

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<b>· Dangerous components:</b>		
	mixture of polyglycoles with fatty acids and emulgator ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315	20-30%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	10-20%
CAS: 104-76-7 EINECS: 203-234-3	Isooctanol ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	5-<10%
<b>· Regulation (EC) No 648/2004 on detergents / Labelling for contents</b>		
aliphatic hydrocarbons		≥15 - <30%

**· Additional information** For the wording of the listed hazard phrases refer to section 16.

#### **SECTION 4: First aid measures**

**· 4.1 Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

**· 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### **SECTION 5: Firefighting measures**

**· 5.1 Extinguishing media**

**· Suitable extinguishing agents**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· For safety reasons unsuitable extinguishing agents** Water with full jet.

**· 5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**· 5.3 Advice for firefighters**

**· Protective equipment:** No special measures required.

**· Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### **SECTION 6: Accidental release measures**

**· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

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- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.  
Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- **6.4 Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**  
Keep away from food, beverages and feed.
- **Further information about storage conditions:**  
Store under lock and key and out of the reach of children.  
Protect from frost.
- **7.3 Specific end use(s)** No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.

#### **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**112-34-5 2-(2-butoxyethoxy)ethanol**

WEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm
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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Avoid close or long term contact with the skin.  
Do not eat or drink while working.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
\* chemical resistant protective gloves (EN 374)  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Butyl rubber, BR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable:**

- \* butyl rubber 0,7 mm, 480 min

- **As protection from splashes gloves made of the following materials are suitable:**

- \* nitril rubber 0,4 mm, 30 min

- **Eye protection:**



Tightly sealed goggles.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Fluid

**Colour:** Opaque

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/freezing point:** < -20 °C

**Initial boiling point and boiling range:** undetermined

- **Flash point:** Not applicable

- **Flammability (solid, gaseous)** Not applicable.

- **Ignition temperature:** not applicable

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** 0,5 Vol %

**Upper:** 5,0 Vol %

- **Vapour pressure at 20 °C:** 0.1 hPa

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· <b>Density at 20 °C:</b>	0.855 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
dynamic at 20 °C:	16.5 mPas
kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	15.4 %
VOC (EC)	15.40 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** corresponds to 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**mixture of polyglycoles with fatty acids and emulgator**

Dermal	LD50	>3,038 mg/kg (can)
Inhalative	LC50	>15,380 mg/kg (Rat)

**112-34-5 2-(2-butoxyethoxy)ethanol**

Dermal	LD50	2,700 mg/kg (can)
Inhalative	LC50	3,384 mg/kg (Rat)

**104-76-7 Isooctanol**

Oral	LD50	3,290 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (Rat) (OECD 402)

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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**mixture of polyglycoles with fatty acids and emulgator**

LC50/96 h	310 mg/l (F26)
LC50/48 h	220 mg/l (Daphnia magna)
EC50/48 h	130 mg/l (Daphnia magna)
NOEC	16 mg/l (Daphnia magna)
	<78 mg/l (F26)

**112-34-5 2-(2-butoxyethoxy)ethanol**

LC50/96 h	1,300 mg/l (Lepomis macrochirus)
EC10/16 h	1,170 mg/l (Pseudomonas putida)
EC50/24 h	2,850 mg/l (Daphnia magna) (DIN 38412)
NOEC	>100 mg/l (Desmodesmus subspicatus)

**104-76-7 Isooctanol**

LC50/96 h	17.1 mg/l (Leuciscus idus)
EC50/48 h	39 mg/l (Daphnia magna)
EC50/72 h	11.5 mg/l (Desmodesmus subspicatus)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **COD-value:** 737000 mg/l
- **General notes:**  
The product does not contain organically bounded halogens (AOX-free).  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.

· <b>European waste catalogue</b>
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07 06 04*	other organic solvents, washing liquids and mother liquors
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- **Uncleaned packaging:**
- **Recommendation:**  
Packagings that may not be cleansed are to be disposed of in the same manner as the product. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.  
Non contaminated packagings may be recycled.
- **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

**SECTION 14: Transport information**

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b>  |  |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>14.2 UN proper shipping name</b>  |  |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>14.3 Transport hazard class(es)</b>   |  |
| · <b>ADR, ADN, IMDG, IATA</b>  |  |
| · <b>Class</b>   | Void   |
| · <b>14.4 Packing group</b>  |  |
| · <b>ADR, IMDG, IATA</b>   | Void   |
| · <b>14.5 Environmental hazards:</b>   |  |
| · <b>Marine pollutant:</b>   | No   |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |

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· **UN "Model Regulation":** Void

### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55
- **National regulations**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. A product information sheet can be provided if requested.*

- **Relevant phrases**  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.
- **Department issuing SDS: PCD-D**
- **Contact:**  
Department PCD-D  
Tel.: +49-7195-14-2548  
Fax : +49-7195-14-3164  
safetydata@karcher.com
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1

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· \* **Data compared to the previous version altered.**

· 0-011-337-0                      RM 761/2-1                      1-844

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